

Learning to Fly: The Wright Brother's Adventure			
2006 Science			
Grade Level and Grade Span Expectations			
New Hampshire Science			
Grades 5-6			
Activity/Lesson	State	Standards	
The Society	NH	SCI.5-6.S:SPS1:6:1.1.0	Distinguish between those questions that can be answered by science and those that cannot.
The Society	NH	SCI.5-6.S:SPS3:6:1.2	Work collectively within a group toward a common goal.
Wright Brothers: 1900 Glider	NH	SCI.5-6.ESS4.3.A.S:ESS4:6:3.2	Identify the most appropriate materials for a given design task with requirements for specific properties, such as weight, strength, hardness, and flexibility.
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Grades 7-8			
Activity/Lesson	State	Standards	
The Society	NH	SCI.7-8.S:SPS1:8:1.7	Ask questions about relationships between and among observable variables.
Wright Brothers: 1900 Glider	NH	SCI.7-8.S:PS4:8:1.1	Understand that design features, such as size shape, weight, and function, must be considered when designing new technology.
Wright Brothers: 1900 Glider	NH	SCI.7-8.S:SPS1:8:3.3	Follow the teacher's instructions in performing experiments, following all appropriate safety rules and procedures.
Wright Brothers: 1900 Glider	NH	SCI.7-8.S:SPS3:8:3.2	Build a product that has been designed in class.
Wright Brothers: 1900 Glider	NH	SCI.7-8.S:SPS3:8:3.3	Evaluate student-designed products according to established criteria and recommend improvements or modifications.
Wright Brothers: 1900 Glider	NH	SCI.7-8.S:SPS4:8:1.3	Use appropriate tools to analyze and synthesize information (e.g., diagrams, flow charts, frequency tables, bar graphs, line graphs, stem-and-leaf plots) to draw conclusions and implications based on investigations of an issue or question.
Wright Brothers: 1900 Glider	NH	SCI.7-8.S:SPS4:8:3.3	Make sketches, graphs, and diagrams to explain ideas and to demonstrate the interconnections between systems.
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Grades 9-11			
Activity/Lesson	State	Standards	
1901: The First Improvement	NH	SCI.9-11.S:SPS2:11:1.3	Recognize that sometimes scientists can control conditions in order to focus on the effect of a single variable; when that is not possible for practical or ethical reasons, they try to observe as wide a range of natural occurrences as possible to be able to discern patterns.
1901: The First Improvement	NH	SCI.9-11.S:SPS2:11:1.6	Show how the usefulness of a model can be tested by comparing its predictions to actual observations in the real world; but a close match does not mean that the model is the only “true” model or the one that would work.
1901: The First Improvement	NH	SCI.9-11.S:SPS3:11:1.1	Collaborate with existing research efforts.
1903: Powered Flight	NH	SCI.9-11.S:SPS3:11:2.6	Create, use and evaluate models to understand environmental phenomena.
1903: Powered Flight	NH	SCI.9-11.S:SPS3:11:3.3	Analyze technical writing, graphs, charts, and diagrams.